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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4	OCT 03	MATHDI removed from STN
NEWS 5	OCT 04	CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 6	OCT 13	New CAS Information Use Policies Effective October 17, 2005
NEWS 7	OCT 17	STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAplus documents for use in third-party analysis and visualization tools
NEWS 8	OCT 27	Free KWIC format extended in full-text databases
NEWS 9	OCT 27	DIOGENES content streamlined
NEWS 10	OCT 27	EPFULL enhanced with additional content
NEWS 11	NOV 14	CA/CAplus - Expanded coverage of German academic research
NEWS 12	NOV 30	REGISTRY/ZREGISTRY on STN(R) enhanced with experimental spectral property data
NEWS 13	DEC 05	CASREACT(R) - Over 10 million reactions available
NEWS 14	DEC 14	2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 15	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 16	DEC 14	CA/CAplus to be enhanced with updated IPC codes
NEWS 17	DEC 16	MARPATprev will be removed from STN on December 31, 2005

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 02 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
http://download.cas.org/express/v8.0-Discover/

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:40:55 ON 19 DEC 2005

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=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   18 DEC 2005  HIGHEST RN 870123-57-2
DICTIONARY FILE UPDATES:  18 DEC 2005  HIGHEST RN 870123-57-2

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
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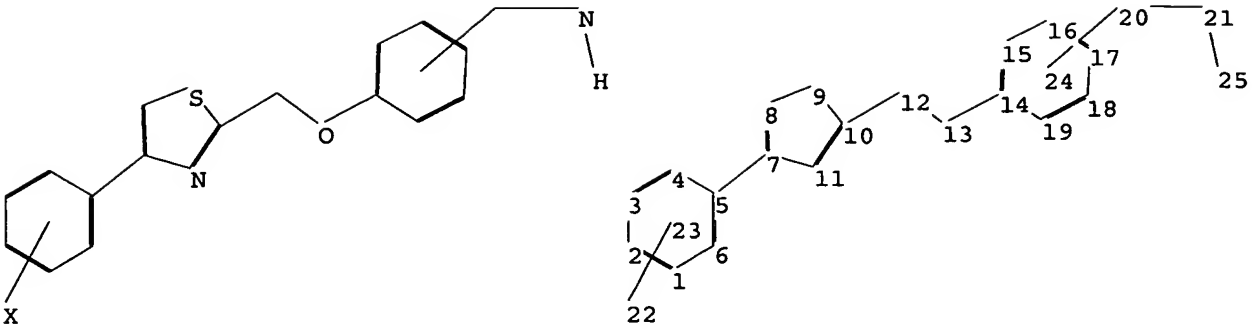

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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 14 15 16 17 18 19
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5-7 10-12 12-13 13-14 20-21 21-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 14-15 14-19 15-16
16-17 17-18 18-19
exact/norm bonds :
7-8 7-11 8-9 9-10 10-11 12-13 13-14 20-21
exact bonds :
5-7 10-12 21-25
normalized bonds :
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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
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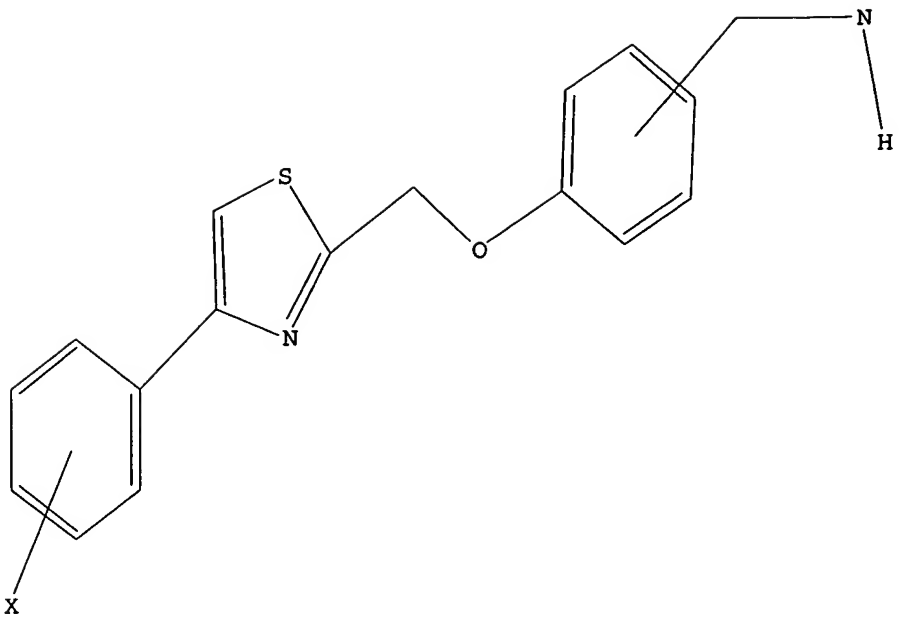
L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED       64 ITERATIONS                                1 ANSWERS
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          800 TO     1760
PROJECTED ANSWERS:               1 TO       80

L2             1 SEA SSS SAM L1

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FULL SCREEN SEARCH COMPLETED -     1305 TO ITERATE

100.0% PROCESSED     1305 ITERATIONS                               15 ANSWERS
SEARCH TIME: 00.00.01

L3            15 SEA SSS FUL L1

=> file caplus medline
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   161.33     161.54

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```
=> l3
L4            1 L3

=> d ti

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2005 ACS on STN
TI   Preparation of substituted heteroaryl and heterocyclic compounds useful
     NAD oxidase hydride donor inhibitors


=> d ibib abs hitstr

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2004:41452  CAPLUS
DOCUMENT NUMBER:          140:111408
TITLE:                    Preparation of substituted heteroaryl and heterocyclic
                          compounds useful NAD oxidase hydride donor inhibitors
INVENTOR(S):              Beers, Scott
PATENT ASSIGNEE(S):       Janssen Pharmaceutica, N.V., Belg.
SOURCE:                   PCT Int. Appl., 26 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2005014745         A1    20050120    US 2003-612187           20030702
PRIORITY APPLN. INFO.:                       US 2002-393710P      P   20020703
OTHER SOURCE(S):          MARPAT 140:111408
GI
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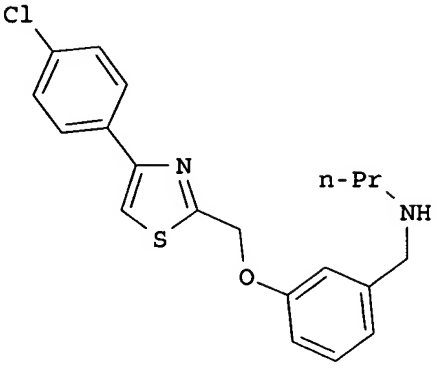
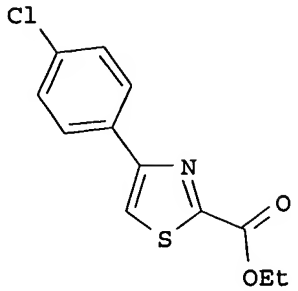


II



III

AB The invention refers to substituted heteroaryl and heterocyclic compds. I [wherein: R1 is a substituent on the 3, 4 or 5 position of the ring A and R1 = H, alkyl, alkoxy, NH2, NH-alkyl, N(alkyl)2, halogen, OH; A, E = phenylene or pyridinylene; B is a monocyclic 5-membered heteroarylene containing N, O, or S, and optionally containing an addnl. N; R2, R3 = H, alkyl-R4, cycloalkyl; R4 = alkoxy, NH2, NH-alkyl, N(alkyl)2, 1-3 halogen(s), OH, cycloalkyl-R5, heterocyclyl-R5, (hetero)aryl-R5; R5 = H, 1 or 2 of alkyl or alkoxy] and pharmaceutically acceptable salts thereof useful as NAD oxidase hydride donor inhibitors. Compds. I are claimed to be useful in treating or ameliorating reactive oxygen species-mediated inflammatory disorders such as osteoarthritis and Alzheimer's disease. In an NADPH oxidase assay for inhibition of superoxide-mediated reduction of cytochrome c in human neutrophils incubated with phorbol myristate acetate, 11 compds. I had IC50 values of 0.04-3.45 μM. For instance, compound II (IC50 = 1.65 μM) was prepared via heterocyclization of 4-ClC6H5C(O)CH2Br with H2NC(S)CO2Et, reduction of obtained thiazole III to the appropriate alc. analog, etherification with 3-HOC6H5CHO, and subsequent reductive amination by propylamine.

IT **646053-15-8P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-propylbenzenemethanamine **646053-17-0P**, 4-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-propylbenzenemethanamine **646053-18-1P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-(2-methylpropyl)benzenemethanamine **646053-19-2P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-cyclopentylbenzenemethanamine **646053-20-5P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-cyclohexylbenzenemethanamine **646053-21-6P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-cyclopropylbenzenemethanamine **646053-22-7P**, N-[[3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]phenyl]methyl]-1-methyl-2-pyrrolidinemethanamine dihydrochloride **646053-23-8P**, 4-[2-[[[3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]phenyl]methyl]amino]ethyl]morpholine dihydrochloride **646053-24-9P**, 4-(4-Chlorophenyl)-2-[[3-[[[(5-methyl-2-furanyl)methyl]amino]methyl]phenoxy]methyl]thiazole **646053-25-0P**, N-[[3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]phenyl]methyl]-5-methoxy-1H-indole-3-ethanamine hydrochloride **646053-26-1P**, 4-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]-N-cyclopentylbenzenemethanamine **646053-27-2P**, 3-[[4-(4-Chlorophenyl)-2-thiazolyl]methoxy]benzenemethanamine **646053-30-7P 646053-31-8P 646053-32-9P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted heteroaryl and heterocyclic compds. as NAD oxidase hydride donor inhibitors useful in treating/ameliorating reactive oxygen species-mediated inflammatory disorders)

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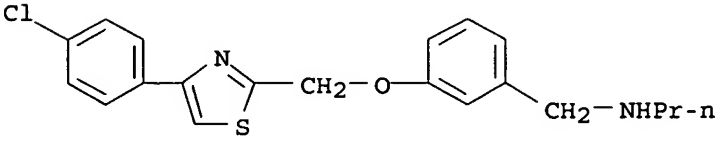

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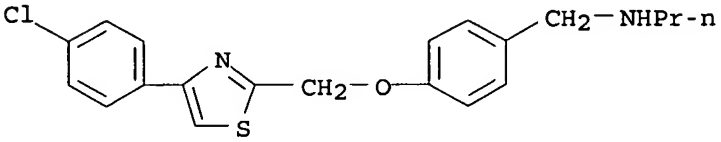

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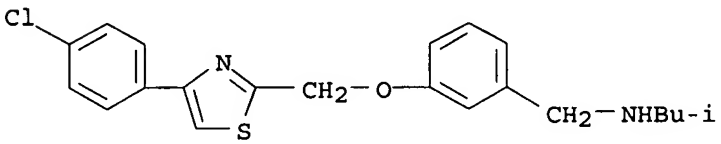

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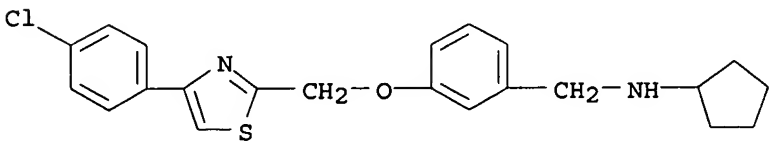

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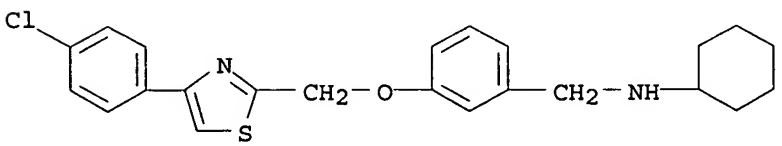

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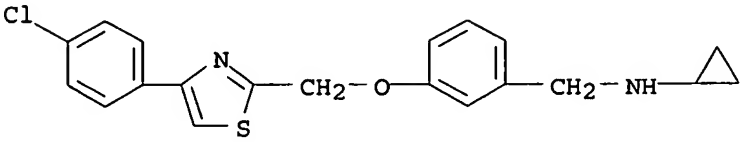

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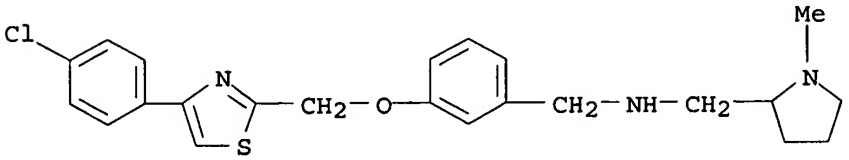

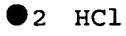

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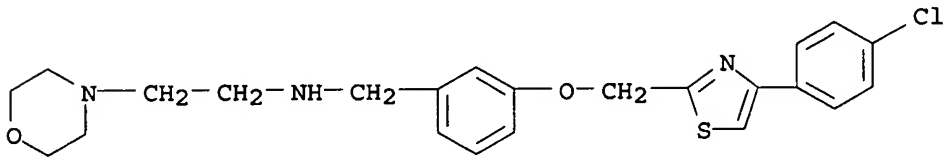

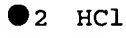

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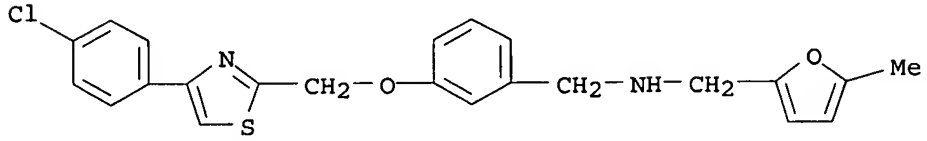

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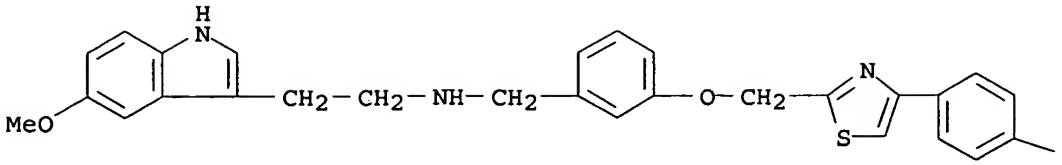
PAGE 1-A



● HCl

PAGE 1-B

Cl

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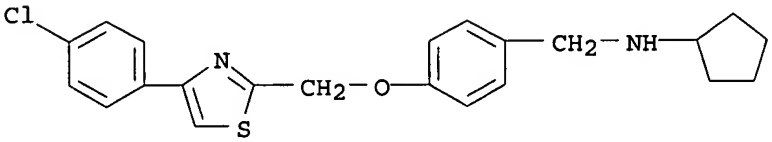

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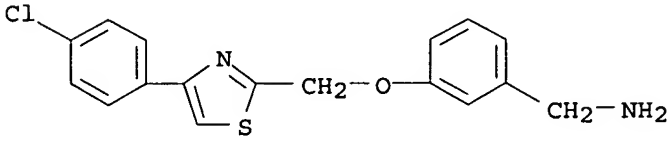

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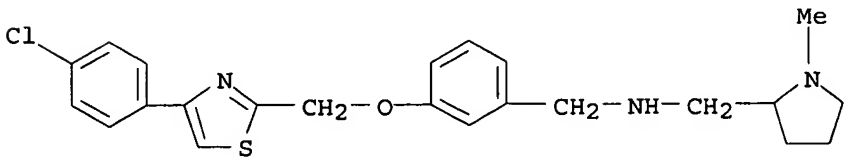

RN 646053-31-8 CAPLUS
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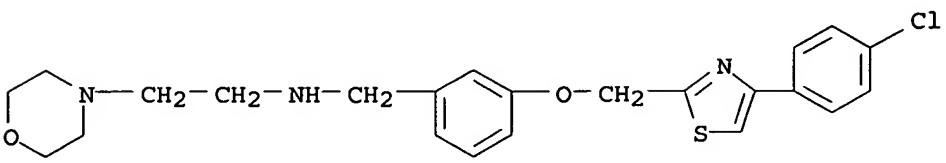

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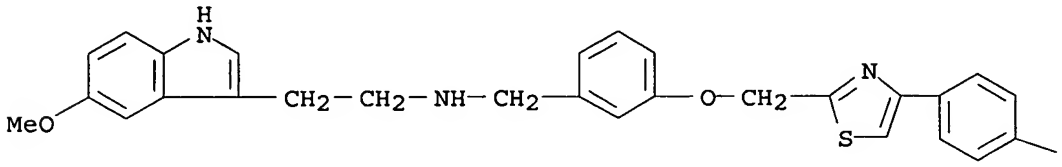
PAGE 1-A



PAGE 1-B

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:44:48 ON 19 DEC 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJRK1626

PASSWORD:

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 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS, MEDLINE' AT 12:56:03 ON 19 DEC 2005
FILE 'CAPLUS' ENTERED AT 12:56:03 ON 19 DEC 2005
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FILE 'MEDLINE' ENTERED AT 12:56:03 ON 19 DEC 2005

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       7.74     169.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                      -0.73      -0.73

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       7.74     169.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                      -0.73      -0.73

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STRUCTURE FILE UPDATES:   18 DEC 2005  HIGHEST RN 870123-57-2
DICTIONARY FILE UPDATES:  18 DEC 2005  HIGHEST RN 870123-57-2

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*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
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REGISTRY includes numerically searchable data for experimental and
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http://www.cas.org/ONLINE/UG/regprops.html

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Uploading C:\Program Files\Stnexp\Queries\10612187\Struc 2.str
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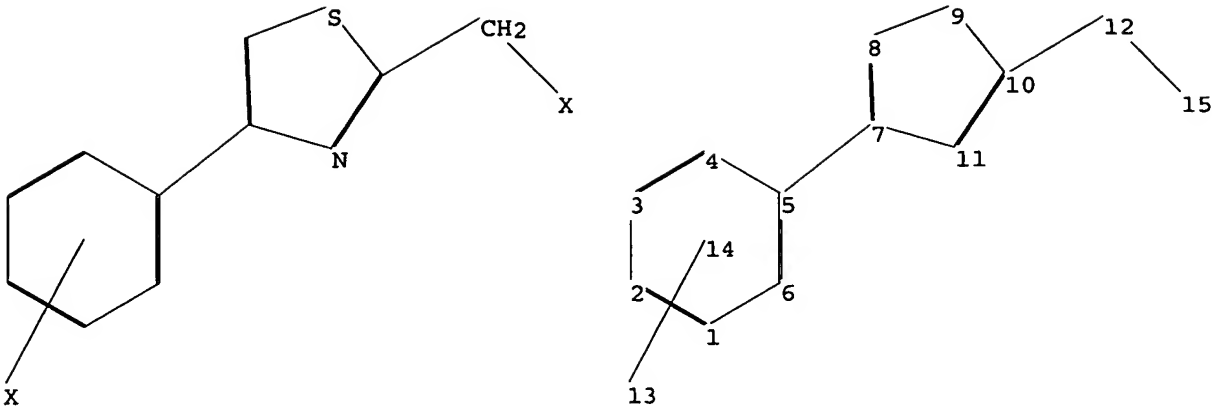

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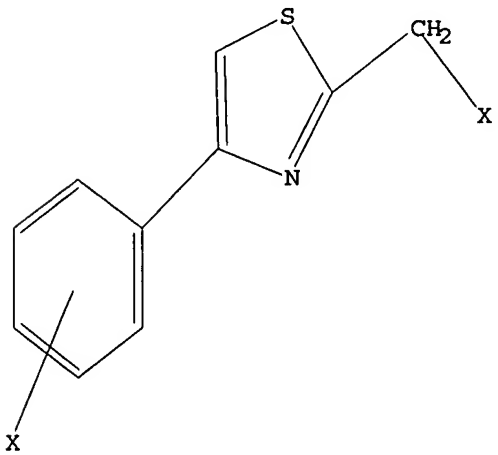
12 13 15
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
5-7 10-12 12-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11
exact/norm bonds :
7-8 7-11 8-9 9-10 10-11
exact bonds :
5-7 10-12 12-15
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -      115 TO ITERATE

100.0% PROCESSED      115 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1657 TO     2943
PROJECTED ANSWERS:               0 TO        0

L6             0 SEA SSS SAM L5

=> l5 full
FULL SEARCH INITIATED 12:56:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2461 TO ITERATE

100.0% PROCESSED     2461 ITERATIONS                                  6 ANSWERS
SEARCH TIME: 00.00.01

L7             6 SEA SSS FUL L5

=> file caplus medline
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     161.33     330.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.73

FILE 'CAPLUS' ENTERED AT 12:56:41 ON 19 DEC 2005
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FILE 'MEDLINE' ENTERED AT 12:56:41 ON 19 DEC 2005

=> l7
L8             5 L7

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9             5 DUP REM L8 (0 DUPLICATES REMOVED)

=> d ibib abs hitstr

L9   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         1995:755717  CAPLUS
DOCUMENT NUMBER:          124:8677
TITLE:                    Evolution of a series of non-quinoline leukotriene D4
                          receptor antagonist; synthesis and SAR of
                          benzothiazoles and thiazoles substituted benzyl
                          alcohols as potent LTD4 antagonists
AUTHOR(S):                Lau, C. K.; Dufresne, C.; Gareau, Y.; Zamboni, M.;
                          Labelle, R. N.; Young, K. M.; Metters, C.; Rochette,
                          N.; Sawyer, D. M.; et al.
CORPORATE SOURCE:         Merck Frosst Cent. Therapeutic Res., Pointe
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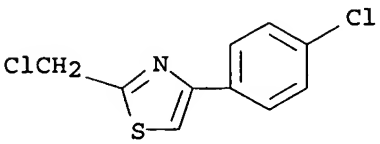
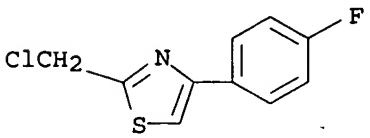
Claire-Dorval, QC, H94 4P8, Can.
SOURCE: Bioorganic & Medicinal Chemistry Letters (1995), 5(15), 1615-20
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 124:8677
AB Replacement of the quinoline pharmacophore of verlukast by alkylthiazoles and benzothiazoles has lead to the discovery of a new series of potent and orally active LTD4 receptor antagonists. The synthesis and structure activity relationships of this series of compds. are described.
IT **170881-67-1P 170881-68-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and SAR of benzothiazoles and thiazoles substituted benzyl alcs. as potent LTD4 antagonists)
RN 170881-67-1 CAPLUS
CN Thiazole, 2-(chloromethyl)-4-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



RN 170881-68-2 CAPLUS
CN Thiazole, 2-(chloromethyl)-4-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



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L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:508003 CAPLUS
DOCUMENT NUMBER: 122:265364
TITLE: Preparation of 4-phenyloxazole and -thiazole derivatives as herbicides
INVENTOR(S): Nakanishi, Hiroyuki; Miura, Juzo; Nishioka, Hitoshi; Ootsuka, Takashi
PATENT ASSIGNEE(S): Nihon Nohyaku Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 47 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 06340643	A2	19941213	JP 1994-89169		19940404
PRIORITY APPLN. INFO.:			JP 1994-89169	A	19940404
			JP 1993-101921		19930404

OTHER SOURCE(S): MARPAT 122:265364
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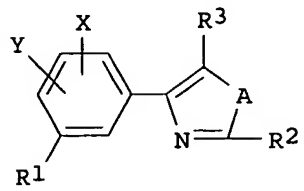

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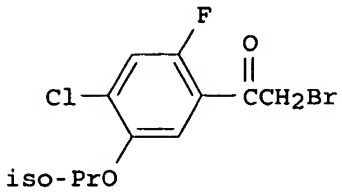


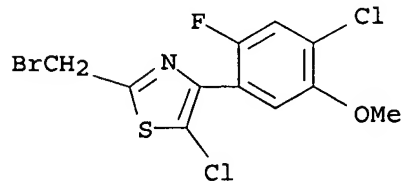
II

AB The title compds. [I; R1 = halo, NO2, C1-6 alkyl, halosulfonyl, BR4, NR5; wherein B = O, S(O)n (n = 0-2); R4 = H, C1-6 (halo)alkyl, C1-6 hydroxyalkyl, C2-6 (halo)alkenyl, C2-6 (halo)alkynyl, C3-6 (halo)cycloalkyl, etc.; R5 = H, C1-6 (halo)alkyl, C2-6 (halo)alkenyl, C2-6 (halo)alkynyl, C3-6 cycloalkyl, C1-6 (halo)alkylsulfonyl, phenyl-C1-6 alkyl, etc.; R2 = HO, C1-6 (halo)alkyl, C1-6 cycloalkyl, C1-6 (halo)alkoxy, C1-6 alkoxy-C1-6 alkyl, C1-6 alkylthio-C1-6 alkyl; R3 = H, halo; A = O, S; X, Y = halo, C1-6 (halo)alkyl], which show excellent herbicidal activity against post- and preemergence weeds, are prepared Thus, 3.10 g 1-bromo-2-phenyl-2-ethanone derivative (II) and 2.61 g isobutyramide were heated at 150-160° for 5.5 h to give, after silica gel chromatog., 81.9% title compound I (R1 = iso-ProO, R2 = iso-Pr, R3 = H; X, Y = 2-F, 4-Cl). I (R1 = OCH2C.tplbond.CH, R2 = iso-Pr, R3 = Cl; X, Y = 2-F, 4-Cl) at 1 kg/ha postemergence controlled ≥95% Echinochloa crus-galli in a flooded paddy soil and gave no damage to rice. A total of 165 I were prepared

IT **162504-21-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of phenyloxazole or -thiazole derivative as herbicide)

RN 162504-21-4 CAPLUS

CN Thiazole, 2-(bromomethyl)-5-chloro-4-(4-chloro-2-fluoro-5-methoxyphenyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:228903 CAPLUS
DOCUMENT NUMBER: 114:228903
TITLE: Preparation of thiazoles as agrochemical fungicides
INVENTOR(S): Haddock, Ernest; Webb, Suzan Mary
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B. V., Neth.
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 411718	A2	19910206	EP 1990-202124	19900803
EP 411718	A3	19910703		
R: CH, DE, FR, GB, IT, LI, NL				
JP 03081268	A2	19910405	JP 1990-205284	19900803
US 5332753	A	19940726	US 1992-938687	19920901
PRIORITY APPLN. INFO.:			GB 1989-17849 A	19890804
			US 1990-560567 B1	19900731

OTHER SOURCE(S): MARPAT 114:228903
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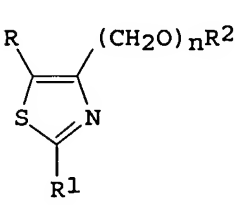

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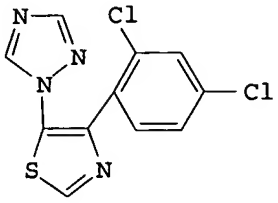
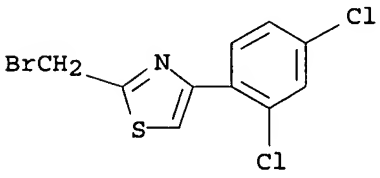


II

AB Thiazoles I [R = H, (CH2)mY where m = 0-2 and Y = (substituted) N-containing heterocycle; R1 = (CH2)pX, N(Z)COX, H, (substituted) alkyl, aryl, amino, or aralkyl, p = 0-2, Z = H, alkyl, X = (substituted) N-heterocyclyl; n = 0-2; R2 = (substituted) Ph] and acid salts, N-oxides, S-oxides and metal salts, were prepared For example, 2-bromo-2-(1,2,4-triazol-1-yl)-2',4'-dichloroacetophenone (preparation given) was dissolved in EtOH and added to a solution of HC(S)NH2 in EtOH and the mixture stirred 16 h to give thiazole II in 11% yield. Wheat plants inoculated with Leptosphaeria nodorum at 8 + 105 spores/mL then treated with II at 1 kg/ha showed no fungal growth after 5 days.

IT **133767-85-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of agrochem. fungicides)

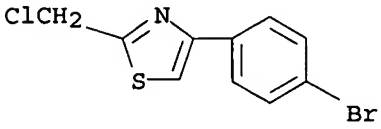
RN 133767-85-8 CAPLUS
CN Thiazole, 2-(bromomethyl)-4-(2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1990:157325 CAPLUS
DOCUMENT NUMBER:	112:157325
TITLE:	Dithiocarboxylic acids, dithiocarboxylic esters, or thiocarboxylic amides by reaction of methylene-active chloromethyl compounds with sulfur
AUTHOR(S):	Thiel, W.; Mayer, R.
CORPORATE SOURCE:	Sekt. Chem., Tech. Univ. Dresden, Dresden, DDR-8027, Ger. Dem. Rep.
SOURCE:	Journal fuer Praktische Chemie (Leipzig) (1989), 331(2), 243-62 CODEN: JPCEAO; ISSN: 0021-8383

DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 112:157325
AB With a mixture of S and amine in DMF at room temperature halomethyl compds. can be oxidized to give thiocarboxylic acids and their derivs. The reaction was studied in detail especially with chloroacetic derivs. or chloromethyl heterocycles formally derived from chloroacetic acid. The resulting thiooxalic acid derivs. represent activated acids and very useful C2-synthons, especially for the synthesis of heterocycles. Oxidation in the presence of Et3N leads to dithiocarboxylates which can be alkylated to dithioesters in high yields. As a rule, with different primary and secondary amines instead of tertiary amines these dithiocarboxylates or dithiocarboxylic esters can be transformed already at low temps. to thioamides.
IT **125983-35-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with sulfur in presence of amine)
RN 125983-35-9 CAPLUS
CN Thiazole, 4-(4-bromophenyl)-2-(chloromethyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1988:112450 CAPLUS
DOCUMENT NUMBER: 108:112450
TITLE: Preparation of imidazolylmethylthiazoles as medical fungicides and bactericides
INVENTOR(S): Takano, Shuntaro; Imaizumi, Hiroyuki; Kajita, Tetsuya; Takashima, Kenichi; Takezawa, Katsushi; Yotsutsuji, Minako; Yasuda, Takashi; Yotsutsuji, Akira; Sakai, Hiroshi; Saikawa, Isamu
PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62178590	A2	19870805	JP 1986-16868	19860130
JP 07025754	B4	19950322		
PRIORITY APPLN. INFO.:			JP 1986-16868	19860130

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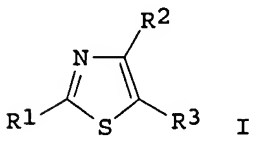


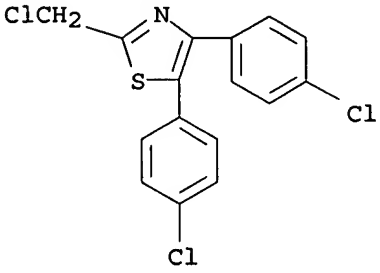
I

AB The title compds. I [R1-R3 = H, halo, CHO, CO2H (or esters), (un)substituted alkyl, alkenyl, alkynyl, aryl, cycloalkyl, (CH2)nR4 (R4 = imidazolyl, 1,2,4-triazolyl, n = 0 or 1); one of R1-R3 is (CH2)nR4], useful as medical fungicides and bactericides, were prepared A mixture of 630 mg 4-bromomethyl-5-butyl-2-(4-chlorophenyl)thiazole (preparation given) and 595 mg imidazole in 13 mL CHCl3 was refluxed for 1 h to give 78.7% thiazole derivative I [R1 = 4-ClC6H4, R2 = (1H-imidazol-1-yl)methyl, R3 = Bu] (II). II in vitro exhibited a MIC of 6.25 μg/mL against Candida albicans IFO 0583.

IT **113265-00-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate in preparation of medical fungicide and bactericide)

RN 113265-00-2 CAPLUS

CN Thiazole, 2-(chloromethyl)-4,5-bis(4-chlorophenyl)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.10	356.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.65	-4.38

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